

INTELLIGENT ELECTRICAL SWITCHING DEVICE

CROSS REFERENCE TO RELATED APPLICATION

This application is a continuation of U.S. Patent Application Serial No. 10/365,042 entitled "Intelligent Electrical Switching Device" filed on February 12, 2003  
5 by Frederick J. Bruwer, <sup>now U.S. Patent No. 6,650,066</sup> which is a continuation of U.S. Patent Application Serial No. 09/793,303 entitled "Intelligent Electrical Switching Device" filed on February 26, 2001 by Frederick J. Bruwer, now U.S. Patent  
10 No. 6,621,225 B2; which is a continuation of application Serial No. 09/169,395 entitled "Intelligent Electrical Switching Device Comprising Microchip" filed on October 9, 1998 by Frederick J. Bruwer, now U.S. Patent No. 6,249,089 B1.

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FIELD OF THE INVENTION

The present invention relates to new intelligent electrical current switching devices and more particularly, to microchip controlled electrical current  
20 switching devices. The invention further relates, in one embodiment, to intelligent batteries having embedded therein a microchip for use with a variety of electrical devices to add heretofore unknown functionality to existing electrical devices. The invention also relates,  
25 according to another embodiment, to intelligent hand-held electronic devices, and in a preferred embodiment to hand-held light sources, and more particularly, to flashlights. According to one embodiment of the present invention, the invention relates to intelligent hand-held  
30 flashlights having microchip controlled switches wherein